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Substitute for form 1449A/PTO				Complete If Known	
				Application Number	Unassigned
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	Herewith
				First Named Inventor	BARBEE, Robert Boyd
(use as many sheets as necessary)				Group Art Unit	1714
				Examiner Name	Wyrozebski Lee
Sheet	1	of	10	Attorney Docket Number	USC12.CON1

U.S. PATENT DOCUMENTS						
Examiner Initials [*]	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
KIW	A01	6,447,860		Mueller et al.	09-10-2002	
	A02	6,417,262		Turner et al.	07-09-2002	
	A03	6,407,155		Quian et al.	06-18-2002	
	A04	6,403,231		Mueller et al.	06-11-2002	
	A05	6,391,449		Lan et al.	05-21-2002	
	A06	6,384,121		Barbee et al.	05-07-2002	
	A07	6,376,591		Lan et al.	04-23-2002	
	A08	6,350,805		Korbee et al.	02-26-2002	
	A09	6,254,803		Matthews et al.	07-03-2001	
	A10	6,232,388		Lan, et al.	05-15-2001	
	A11	6,156,835		Anderson et al.	12-05-2000	
	A12	6,162,857		Trexler et al.	12-19-2000	
	A13	6,120,860		Bowen et al.	09-19-2000	
	A14	6,117,541		Frisk	09-12-2000	
	A15	6,084,019		Mataybas	07-04-2000	
	A16	6,071,988		Barbee et al.	06-06-2000	
	A17	6,057,396		Lan et al.	05-02-2000	
	A18	6,060,549		Li et al.	05-09-2000	
	A19	6,050,509		Clarey et al.	04-18-2000	
KIW	A20	6,036,765		Farrow et al.	03-14-2000	

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Examiner Initials [*]	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
KIW	A21	EP	0940430			09-08-1999		
	A22	WO	99/38915			08-05-1999		
	A23	WO	99/15432			04-01-1999		
	A24	WO	98/53000			11-26-1998		
	A25	WO	98/29499			07/09/1998		
	A26	JP	10168305			06-23-1998		
	A27	EP	0846723			06-10-1998		
	A28	JP	10133013			05-22-1998		
	A29	JP	10077427			03-24-1998		
KIW	A30	EP	0822163		Serrano et al.	02-04-1998		
Examiner Signature		Katayuna Wyrozebski				Date Considered	June 17, 2004	

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				Application Number	Unassigned
				Filing Date	Herewith
				First Named Inventor	BARBEE, Robert Boyd
				Group Art Unit	1714
Examiner Name	Wyrozebski Lee				
Attorney Docket Number	USC12.CON1				
Sheet	2	of	10		

U.S. PATENT DOCUMENTS						
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KIWL	B1	6,034,163		Barbee et al.	03-07-2000	
	B2	6,017,632		Pinnavaia et al.	01-25-2000	
	B3	5,993,769		Pinnavaia et al.	11-30-1999	
	B4	5,972,448		Frisk et al.	10-26-1999	
	B5	5,952,093		Nichols et al.	09-14-1999	
	B6	5,942,320		Miyake et al.	08-24-1999	
	B7	5,916,685		Frisk et al.	06-29-1999	
	B8	5,882,751		Occhiello et al.	03-16-1999	
	B09	5,876,812		Frisk et al.	03-02-1999	
	B10	5,849,830		Tipursky et al.	12-15-1998	
	B11	5,830,544		Kerscher et al.	11-03-1998	
	B12	5,807,630		Christie et al.	09-15-1998	
	B13	5,780,376		Gonzales et al.	07-14-1998	
	B14	5,747,560		Christiani et al.	05-05-1998	
	B15	5,728,764		Bauer et al.	03-17-1998	
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KIWL	B20	5,612,138		Kurts et al.	03-18-1997	

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KIWL	B21	WO	98/01346			01-15-1998		
	B22	JP	10001608			01-06-1998		
	B23	WO	97/02323			01-23-1997		
	B24	WO	97/44384			11-27-1997		
	B25	WO	97/31973			09-04-1997		
	B26	WO	97/31057			08-28-1997		
	B27	WO	97/30950			08-28-1997		
	B28	JP	9217012			08-19-1997		
	B29	JP	9176461			07-08-1997		
KIWL	B30	EP	780340			06-25-1997		

Examiner Signature	<i>Katarzyna Wyrozebska</i>	Date Considered	<i>June 17, 2004</i>
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				First Named Inventor	BARBEE, Robert Boyd
				Group Art Unit	1714
(use as many sheets as necessary)				Examiner Name	Wyrozewski Lee
Sheet	3	of	10	Attorney Docket Number	USC12.CON1

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
KIM	C01	5,578,672		Beall et al.	11-26-1996	
	C02	5,552,469		Beall et al.	09-03-1996	
	C03	5,530,052		Takekoshi et al.	06-25-1996	
	C04	5,523,045		Kudert et al.	06-04-1996	
	C05	5,514,734		Maxfield et al.	05-07-1996	
	C06	5,454,865		Ginn et al.	10-03-1995	
	C07	5,434,000		Konagaya et al.	07-18-1995	
	C08	5,429,999		Nae et al.	07-04-1995	
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	C11	5,382,650		Kasowski et al.	01-17-1995	
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KIM	C20	5,221,507		Beck et al.	06-22-1993	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
KIM	C21	WO	97/17398			05-15-1997		
	C22	EP	0761739			03-12-1997		
	C23	JP	09048908			02-18-1997		
	C24	EP	747451			12-11-1996		
	C25	EP	681990			11-15-1996		
	C26	WO	96/25458			08-22-1996		
	C27	WO	96/08526			03-21-1996		
	C28	EP	0691376			01-10-1996		
	C29	EP	0691212			01-10-1996		
KIM	C30	WO	95/14733			06-01-1995		

Examiner Signature	<i>Kataryna Wyrozewski</i>	Date Considered	<i>June 17, 2004</i>
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				First Named Inventor	BARBEE, Robert Boyd
				Group Art Unit	1714
Sheet	4	of	10	Examiner Name	Wyrozelski Lee
				Attorney Docket Number	USC12.CON1

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KIM	D01	5,206,284		Fukui et al.	04-27-1993	
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	D06	5,110,501		Knudson Jr. et al.	05-05-1992	
	D07	5,102,948		Deguchi et al.	04-07-1992	
	D08	5,091,462		Fukui et al.	02-25-1992	
	D09	5,037,285		Kudert et al.	08-06-1991	
	D10	5,034,252		Nilsson et al.	07-23-1991	
	D11	5,028,462		Matlack et al.	07-02-1991	
	D12	5,011,534		Berube	04-30-91	
	D13	4,994,313		Shimizu et al.	02-19-1991	
	D14	4,983,719		Fox et al.	01-08-1991	
	D15	4,983,432		Bissot	01-08-1991	
	D16	4,957,980		Kobayashi et al.	09-18-1990	
	D17	4,946,365		Kudert et al.	08-07-1990	
	D18	4,894,411		Okada et al.	01-16-1990	
Y	D19	4,889,885		Usuki et al.	12-26-1989	
KIM	D20	4,810,734		Kawasumi et al.	03-07-1989	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
KIM	D21	EP	650994			05-03-1995		
	D22	WO	95/06090			03-02-1995		
	D23	JP	7026123			01-27-1995		
	D24	WO	94/29378			12-22-1994		
	D25	WO	94/11430			05-26-1994		
	D26	EP	0590263			04-06-1994		
	D27	WO	93/14922			08-05-1993		
	D28	WO	93/11190			06-10-1993		
Y	D29	EP	542266			05-19-1993		
KIM	D30	WO	93/04125			03-04-1993		

Examiner Signature	<i>Kataryna Wyrozelski</i>	Date Considered	<i>June 17, 2004</i>
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KWL	E01	4,777,206		Rittler	10-11-1988	
	E02	4,769,078		Tso	09-06-1988	
	E03	4,742,098		Finlayson et al.	05-03-1988	
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	E12	4,595,715		Kuze et al.	06-17-1986	
	E13	4,546,126		Breitenfellner et al.	10-08-1985	
	E14	4,536,425		Hekal	08-20-1985	
	E15	4,517,112		Mardis et al.	05-14-1985	
	E16	4,482,695		Barbee et al.	11-13-1984	
	E17	4,472,538		Kamigaito et al.	09-18-1984	
	E18	4,450,095		Finlayson	05-22-1984	
	E19	4,442,163		Kuhner et al.	04-10-1984	
KWL	E20	4,434,076		Mardis et al.	02-28-1984	

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KWL	E21	WO	93/04117			03-04-1993		
	E22	EP	459472			12-04-1991		
	E23	EP	398551			11-22-1990		
	E24	EP	295336			12-21-1988		
	E25	DE	3808623			10-06-1988		
	E26	DE	3806548			09-15-1988		
	E27	EP	278403			08-17-1988		
	E28	EP	261430			03-30-1988		
	E29	JP	62073943			04-04-1987		
KWL	E30	EP	0202532			11-26-1986		

Examiner Signature	Katarzyna Wyrozowski Lee	Date Considered	June 17, 2004
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	F02	4,398,642		Okudaria et al.	08-16-1983	
	F03	4,393,007		Priester et al.	07-12-1983	
	F04	4,381,948		McConnell	05-03-1983	
	F05	4,239,826		Knott, II et al.	12-16-1980	
	F06	4,219,527		Edelman et al.	08-26-1980	
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	F08	4,161,578		Herron	07-17-1979	
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	F14	3,876,552		Moynihan	04-08-1975	
	F15	3,843,479		Matsunami et al.	10-22-1974	
	F16	3,823,169		Staub	07-09-1974	
	F17	3,879,283		Mercade	04-22-1975	
	F18	3,792,969		Gertisser	02-19-1974	
	F19	3,700,398		Cole, Jr.	10-24-1972	
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KWL	F21	EP	186456			07-02-1986		
	F22	WO	84/03096			08-16-1984		
	F23	GB	2123014			01-25-1984		
	F24	JP	76029697			03-09-1976		
	F25	JP	75010196			04-18-1975		
	F26	JP	75005751			03-06-1975		
	F27	JP	75005735			03-06-1975		
	F28	JP	75001156			01-16-1975		
KWL	F29	GB	1090036			11-08-1967		
	F30	WO	99/41299			08-19-1999		

Examiner Signature	<i>Katarzyna Wyrozowski Lee</i>	Date Considered	<i>June 17, 2004</i>
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				Application Number	Unassigned
				Filing Date	Herewith
				First Named Inventor	BARBEE, Robert Boyd
				Group Art Unit	1714
				Examiner Name	Wyrozebski Lee
Sheet	7	of	10	Attorney Docket Number	USC12.CON1

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
KIW	G01	3,627,625		Jarrett	12-14-1971	
	G02	3,544,523		Maxion	12-01-1970	
	G03	3,514,498		Okazaki et al.	05-26-1970	
	G04	3,499,916		Berthold	03-10-1970	
	G05	3,391,164		Straley et al.	07-02-1968	
	G06	3,281,434		Turetzky et al.	10-25-1966	
	G07	3,232,934		Hoare	02-01-1966	
	G08	3,125,586		Katz et al.	03-17-1964	
	G09	3,076,821		Hoare	02-05-1963	
	G10	2,957,010		Straley et al.	10-18-1960	
	G11	2,938,914		Joyce	05-31-1960	
	G12	2,924,609		Joyce	02-09-1960	
	G13	2,737,517		Boyd	03-06-1956	
	G14	3,849,406		Basel et al.	11-19-1974	
	G15	2,531,427		Hauser	11-28-1950	
	G16	2,966,506		Jordan	12-27-1960	
	G17	4,081,496		Finlayson	03-28-1978	
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	G19	4,116,866		Finlayson	09-26-1978	
KIW	G20	4,208,218		Finlayson	06-17-1980	

FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
KIW	G21	WO	0034393			06-15-2000		
	G22	WO	0034378			06-15-2000		
	G23	EP	090787			04-21-1999		
	G24	EP	0822163			02-04-1998		
	G25	EP	0899301			03-03-1999		
KIW	G26	WO	93/04118			03-04-1993		

Examiner Signature	<i>Katamune Wyrozebski Lee</i>	Date Considered	<i>June 17, 2004</i>
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				First Named Inventor	BARBEE, Robert Boyd
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				Attorney Docket Number	USC12.CON1

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Examiner Signature	Katarzyna Wronobski	Date Considered	June 17, 2004
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	Unassigned
				Filing Date	Herewith
				First Named Inventor	BARBEE, Robert Boyd
				Group Art Unit	1714
(use as many sheets as necessary)				Examiner Name	Wyrozowski Lee
Sheet	9	of	10	Attorney Docket Number	USC12.CON1

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KIW	I1	LEBARON et al., "Polymer-Layered Silicate Nanocomposites: an Overview," <i>App. Clay Sci.</i> , 15, 11-29 (1999)	
	I2	KE et al., "Crystallization, Properties, and Crystal Nanoscale Morphology of PET-Clay Nanocomposites," <i>J. Appl. Polym. Sci.</i> , 71, 1139-1146 (1999)	
	I3	GIANNELIS, "Polymer Layered Silicate Nanocomposites," <i>Advanced Materials</i> , 8, 29-35 (1996)	
	I4	ORIAKHI et al., "Incorporation of poly(acrylic acid), poly(vinylsulfonate) and poly(styrenesulfonate) within layered double hydroxides," <i>J. Mater Chem.</i> , 6, 103-107 (1996)	
	I5	MESSERSMITH et al., "Synthesis and Barrier Properties of Poly(t-Caprolactone)-Layered Silicate Nanocomposites," <i>J. of Polym. Sci.</i> , 33, 1047-1057 (1995)	
	I6	SUGAHARA et al., "Clay-Organic Nano-Composite: Preparation of a Kaolinite - Poly(vinylpyrrolidone) Intercalation Compound," <i>J. Ceramic Society of Japan</i> , 100, 413-416 (1992).	
	I7	YANO et al., "Synthesis and properties of polyimide-clay hybrid," <i>ACS, Polymer Preprints</i> , 32, 65-66 (1991)	
	I8	FUKUSHIMA et al., "Swelling Behavior of Montmorillonite by Poly-6- Amide," <i>Clay Minerals</i> , 23, 27-34 (1988)	
	I9	VERBICKY, <i>Encyclopedia of Polymer Science and Engineering</i> , 2 nd Edition, 12, 364-383 (1988)	
	I10	FUKUSHIMA et al., "Synthesis of an Intercalated Compound of Montmorillonite and 6-Polyamide," <i>J. Inclusion Phenomana</i> , 5, 473-482 (1987)	
KIW	I11	OKADA et al., "Synthesis and Characterization of a Nylon 6-Clay Hybrid," <i>ACS, Polymer Preprints</i> , 28, 447-448 (1987)	

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			First Named Inventor	BARBEE, Robert Boyd	
			Group Art Unit	1714	
			Examiner Name	Wyrozebski Lee	
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KIW	J1	FAHN ET AL., "Reaction Products of Organic Dye Molecules with Acid-Treated Montmorillonite," <i>Clay Minerals</i> , 18, 447-458 (1983)	
	J2	GREENLAND, "Adsorption of Polyvinyl Alcohols by Montmorillonite," <i>J. Colloid Sci.</i> , 18, 647-664 (1963)	
	J3	T. J. PINNAVAIA and TIE LAN, "Clay-Reinforced Epoxy Nanocomposites," <i>Chem. Mater.</i> , 6, 2216 (1994) ^r	
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KIW	J7	C.O. SRIAKHI et al. <i>J. Mater. Chem.</i> , 6, 103 (1996).	

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